

Lumen® Cloud Interconnect

Carrier-grade, private Layer-3 connectivity to AWS.

As multicloud environments become more complex, enterprises need secure, predictable connectivity between on-premises environments and AWS—without the operational burden of manual routing, cross-connects, or specialized hardware.

Lumen Cloud Interconnect delivers automated Layer-3 private connectivity over the Lumen® Connectivity Fabric™. It gives customers the option to simplify routing operations by reducing manual configuration—or to retain advanced control through direct access to IP addressing, BGP sessions, routing policies, and route exchange. The solution is designed for streamlined multicloud networking with the flexibility to scale for AI-driven and cloud-native workloads.

Frictionless multicloud

Lumen Cloud Interconnect leverages Lumen® Multi-Cloud Gateway to deliver next-generation, automated Layer-3 private connectivity. By abstracting routing complexity and automating provisioning, it enables seamless route exchange between customer and cloud environments—to deliver frictionless multicloud networking without sacrificing advanced routing control when needed.

High performance

Private, inherently redundant connectivity delivered across four physically diverse channels to help provide consistent performance without exposing traffic to the public internet. The design offers predictable latency, high availability, and resilience for mission-critical intercloud workloads.

Operational efficiency and minimized costs

A resilient, fabric-based design supports higher bandwidth with fewer network elements—to help reduce operational overhead and total cost of ownership while maintaining performance and flexibility.



"Lumen allows us to stretch the limits around innovation. Their responsiveness and route diversity have been vital to our ability to scale quickly and maintain service excellence—even as our infrastructure footprint expands."

Sean Stenger

Chief of Staff, Lightedge Solutions

Common use cases

- Private, non-internet connectivity between enterprise locations and AWS
- Simplified AWS connectivity with inherent physical redundancy
- Multicloud Layer-3 routing that deploys without heavy upfront design
- Secure east-west traffic exchange across cloud and data center environments

Features and Specs

Service capabilities

- Automated Layer-3 Cloud Interconnect routing
- Route exchange within the Lumen Connectivity Fabric
- Support for provider-managed routing and separation of duties
- Foundation for multilateral peering via future Lumen cloud exchange

Architecture components

- Multi-Cloud Gateway + Interface
- Ethernet Fabric Connect point-to-point or multi-point paths which automatically match desired bandwidth
- Lumen Cloud Interconnect physical channels to cloud service provider(s), initially AWS
- Lumen Port at customer premises, where needed
- Integrated visibility across components in Lumen® ConnectSM portal or APIs

Lumen Network

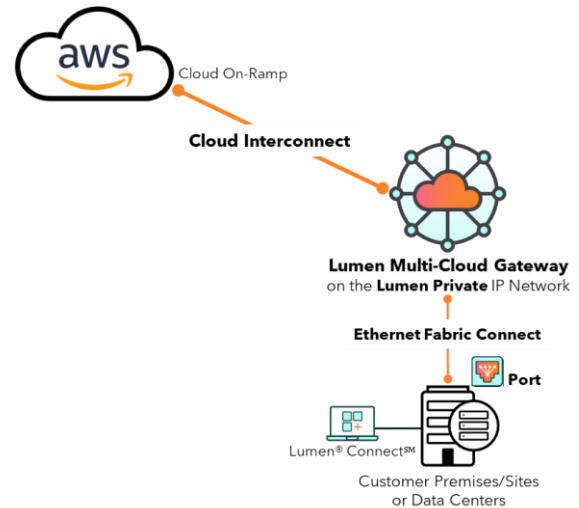
Connect your customers, partners, and employees

- Largest ultra-low-loss intercity fiber network in North America
- 100,000+ Next-Gen 400G-enabled wavelength route miles
- 400+ PoPs pushing further to the metro edge with 10-20 data centers per market
- Extensive low-latency route diversity
- 125+ North America optical cloud on ramps
- 16 U.S. markets with high-capacity 100Gbps bandwidth
- 2,200+ global on-net third-party data centers
- ~163,000 global on-net buildings
- ~340,000 global fiber route miles

Experience

Simplicity, visibility, and control

- Digital, self-service purchasing
- Streamlined provisioning through AWS and Lumen Connect
- Centralized service inventory and relationship mapping
- API-first design for automation and integration



Innovative Leader in Network



North America - Lumen Technologies

Why Lumen?

Lumen combines a programmable digital networking platform with automated Layer-3 services to remove friction from multicloud connectivity. Cloud Interconnect is delivered as a Lumen NaaS solution and sold exclusively through Lumen Connect—enabling fast provisioning, simplified lifecycle management, and API-driven automation.